

Couchbase Announces Availability of Couchbase Server 2.0

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Leading open source NoSQL database adds document database capabilities, extends scalability and performance leadership

Couchbase (<http://www.couchbase.com>), a leader in NoSQL (<http://www.couchbase.com/why-nosql/nosql-database>) database technology and the company behind the Couchbase open source project, today announced the general availability of Couchbase Server 2.0, the company's flagship NoSQL database product. The 2.0 release augments existing key-value database capabilities with a flexible document data model, enabling developers to rapidly build and modify their web and mobile applications without the constraints of relational database schemas. Couchbase Server 2.0 also provides easy scalability, consistent high performance, and always-on capabilities to ensure fast response times and uninterrupted data availability for business-critical web and mobile applications.

News Highlights

- Couchbase Server, the leading NoSQL key-value database, now provides document database functionality. By encompassing both key-value and document database models, Couchbase Server 2.0 enables users to address a broad range of use cases with a single NoSQL database technology.
- Key new document-oriented features in Couchbase Server 2.0 include:
 - o A flexible data model, based on JSON, eliminates the need to create and manage schemas. This significantly increases agility while reducing the complexity and time required when building and modifying applications.
 - o Distributed indexing and querying allows users to access stored data via queries, expanding the baseline of supported use cases, including content-oriented web applications and metadata management.
 - o Incremental map reduce enables developers to incorporate simple real-time analytics into their applications, for example, leaderboards in social gaming applications.
- Couchbase Server 2.0 furthers Couchbase's traditional strengths in scalability, performance, and always-on reliability, with new features such as:
 - o Cross datacenter replication (XDCR) enables automatic replication of databases across geographically disparate data centers, ensuring data availability in the event of catastrophic infrastructure failures and improving application response time by locating data closer to the users accessing it.
 - o Operational enhancements, such as online data and index compaction, further enable Couchbase Server's zero-downtime application maintenance.

Couchbase Server 2.0 Beta Customer Quotes

- "As we look at building and expanding our highly-available applications across multiple data centers, Couchbase Server 2.0's cross data center replication will allow us to easily distribute information across multiple data centers. It will not only protect us against data center outages but also bring data closer to our users for a better user experience. In addition, Couchbase Server 2.0

builds on to the key-value capabilities, and adds indexing and querying that will allow us to create richer applications for our users.” – J. Steven Young, Team Lead, Site Reliability Engineering, Orbitz

- “McGraw Hill Education is committed to building innovative digital products and services for the education market. Using new approaches to technology, we are pioneering new ways of teaching and learning with digital technologies. NoSQL database technology, and in particular Couchbase, fits well with our vision. As a document database, Couchbase Server 2.0 provides a flexible data model – including indexing and querying, full-text search integration and incremental Map Reduce – on which we can develop content-rich, highly dynamic, interactive applications that will transform how people teach and learn.” – Christopher Tse, Director of McGraw Hill Education Labs

- “As we add functionality to our new and existing games, indexing and querying will be critical to the feature implementation. With its flexible data model, the Couchbase Server 2.0 document database is a great fit for our needs and will help us be a more agile competitor in the rapidly evolving social gaming space.” – Xiang Shen, Server Lead, Stomp Games, Tencent

- “As a mobile advertising platform, we serve and manage hundreds of millions of user profiles and that number is growing daily. The ability to scale the data tier easily can make or break our success, so the cluster management capabilities in Couchbase Server are a huge advantage for us, allowing us to expand on demand. In addition, the ability to index and query data brings us a lot more flexibility to rapidly enhance our platform.” – Benjamin Gordon, Chief Architect, Jumtap

Additional Supporting Quotes

- “Couchbase 2.0 is the most important release to date in the life of Couchbase NoSQL technology, and we’ve worked hard to make sure it provides the same easy scalability, consistently high performance, and reliability at scale for which Couchbase has become well known, while also providing the indexing and querying capabilities that developers love about a document database. We think Couchbase 2.0 is a great fit for those looking for a better scaling, higher performance alternative to existing document database offerings.” – Bob Wiederhold, CEO, Couchbase

- “New use cases and data requirements for high usage, massive scale-out and flexible, rapidly changing design needs are pushing RDBMS products beyond their limits. Those products were designed for fixed schemas, where data structure varies little over time. NoSQL offerings are drawing a great deal of attention because they are designed for greater flexibility and less-fixed data definition, in line with the expectations of programmers building today’s new systems.” – Merv Adrian, Research VP, Gartner

Additional Online Resources

- Download (<http://www.couchbase.com/download>) Couchbase Server 2.0
- Read (<http://blog.couchbase.com/key-value-or-document-database-couchbase-2-dot-0-bridges-gap>) Couchbase CEO, Bob Wiederhold’s blog on Couchbase 2.0
- Learn (<http://blog.couchbase.com/key-value-or-document-database-couchbase-2-dot-0-bridges-gap>) more about the Couchbase Open Source Project
- Follow (<http://www.twitter.com/couchbase>) @Couchbase on Twitter

- Like Couchbase (<http://www.facebook.com/pages/Couchbase/159035930813922?sk=wall>) on Facebook

About Couchbase Server 2.0

Couchbase Server (<http://www.couchbase.com/couchbase-server>) NoSQL document-oriented database technology is optimized for the data management needs of interactive web and mobile applications. Web application developers and operators rely on Couchbase Server for:

- **Easy Scalability:** It's easy to scale the data tier with Couchbase Server without any interruption or change to an application. With one click of a button, users can expand a cluster up to hundreds of servers, automatically keeping the workload evenly distributed among them.
- **Consistent High Performance:** With consistent sub-millisecond response time, Couchbase Server helps ensure a positive experience for application users. Couchbase Server's high throughput means fewer servers are required to serve growing numbers of application users.
- **Always-on Availability:** Couchbase Server's high availability features means applications are always online, 24x365. Whether upgrading the database, system software or hardware – or recovering from a disaster – Couchbase Server allows you to do so with zero downtime.
- **Flexible Data Model:** Couchbase Server leverages a JSON document model, eliminating the need to create and manage schemas, thereby dramatically reducing the complexity and time required when making changes to an application.

About Couchbase

Couchbase is a leading provider of NoSQL database technology and the company behind the Couchbase open source project. Couchbase Server, the company's flagship product, is a NoSQL document-oriented database with production deployments at AOL, Cisco, Concur, LinkedIn, Orbitz, Salesforce.com, Shuffle Master, Zynga and hundreds of other household names worldwide. It is particularly well suited for web and mobile applications, providing easy scalability, consistent high performance, 24x365 availability, and a flexible data model for ease of development. Couchbase is headquartered in Silicon Valley, and is funded by Accel Partners, Ignition Partners, Mayfield Fund, and North Bridge Venture Partners. www.couchbase.com